

Abstract

Described is a process for the correction of the longitudinal registration error of a rotary printing press with several inking systems (1 – 9)

in which a control unit adjusts the desired application line (D) of the printing plate on the material web lying on one of the two rollers by controlling the drive or drives of the two rollers (11, K_n) directly involved in the printing process of an inking system, so that the two rollers have, at least during a period of time, a different circumferential speed,

where the control unit takes into account the shift (A) of the actual, effective print line on the circumference of both rollers (11, K_n) in the correction

that arises as a consequence of an adjustment movement of one of the two rollers involved in the printing process along an axis (BA_n) that does not run parallel to the connecting line (S_n) of the axes of rotation (M_n, M₁₁) of the two rollers involved in the printing process;

by the control unit determining correction values from the relative position of the two rollers (11, K_n) directly involved in the printing process of an inking system (N) and the angle (α) between the connecting line (S_n) of the axes of rotation of the two rollers involved in the printing process and the axis of adjustment (BA_n).

(Figure 3)